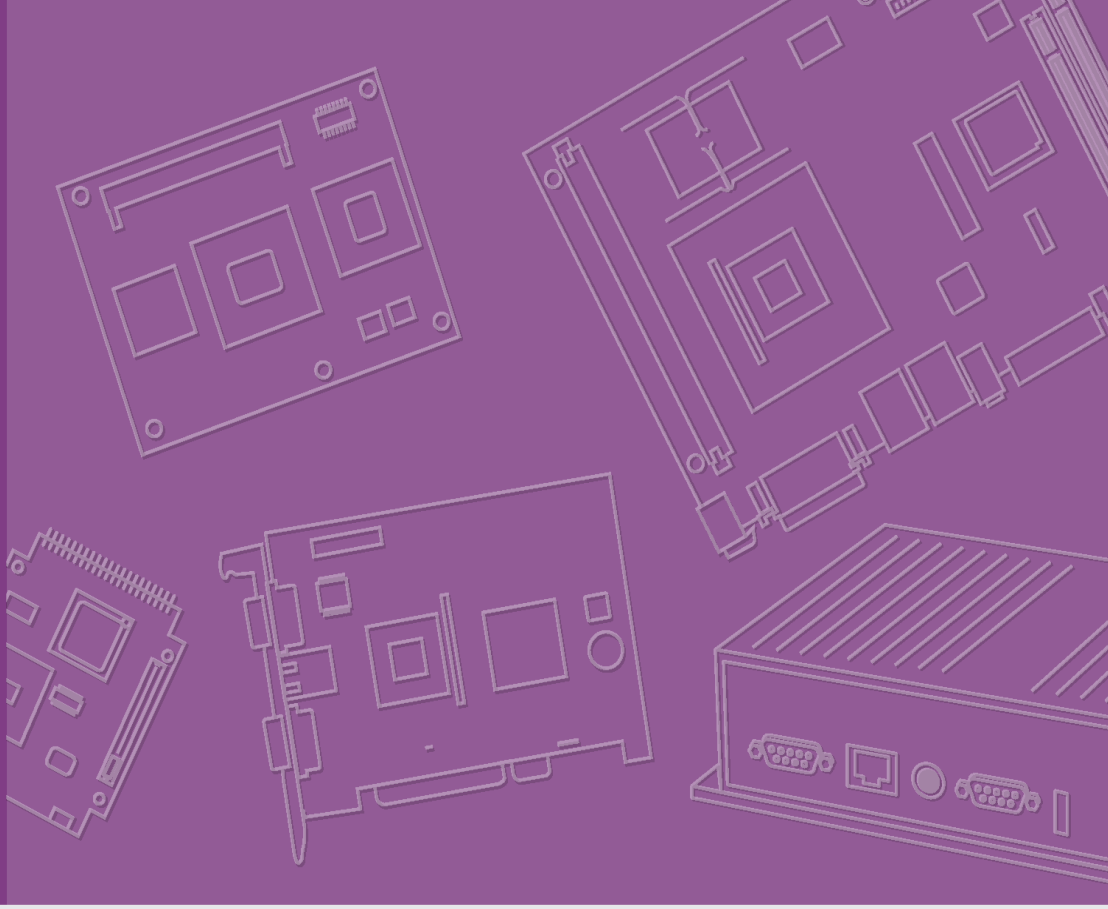

User Manual

X10D

Rugged Tablet PC

ADVANTECH

Enabling an Intelligent Planet

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Product Warranty (2 Years)

Advantech warrants to you, the original purchaser, that each of its products will be free from defects in materials and workmanship for two years from the date of purchase.

This warranty does not apply to any products which have been repaired or altered by persons other than repair personnel authorized by Advantech, or which have been subject to misuse, abuse, accident or improper installation. Advantech assumes no liability under the terms of this warranty as a consequence of such events.

Because of Advantech's high quality-control standards and rigorous testing, most of our customers never need to use our repair service. If an Advantech product is defective, it will be repaired or replaced at no charge during the warranty period. For out-of-warranty repairs, you will be billed according to the cost of replacement materials, service time and freight. Please consult your dealer for more details.

If you think you have a defective product, follow these steps:

1. Collect all the information about the problem encountered. (For example, CPU speed, Advantech products used, other hardware and software used, etc.) Note anything abnormal and list any on screen messages you get when the problem occurs.
2. Call your dealer and describe the problem. Please have your manual, product, and any helpful information readily available.
3. If your product is diagnosed as defective, obtain an RMA (return merchandise authorization) number from your dealer. This allows us to process your return more quickly.
4. Carefully pack the defective product, a fully-completed Repair and Replacement Order Card and a photocopy proof of purchase date (such as your sales receipt) in a shippable container. A product returned without proof of the purchase date is not eligible for warranty service.
5. Write the RMA number visibly on the outside of the package and ship it prepaid to your dealer.

Part No. 2008X10D00 Edition 1

Printed in Taiwan March 2011

Declaration of Conformity

CE

This product has passed the CE test for environmental specifications when shielded cables are used for external wiring. We recommend the use of shielded cables. This kind of cable is available from Advantech. Please contact your local supplier for ordering information.

FCC Class B

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Technical Support and Assistance

1. Visit the Advantech website at http://support.advantech.com where you can find the latest information about the product.
2. Contact your distributor, sales representative, or Advantech's customer service center for technical support if you need additional assistance. Please have the following information ready before you call:
   - Product name and serial number
   - Description of your peripheral attachments
   - Description of your software (operating system, version, application software, etc.)
   - A complete description of the problem
   - The exact wording of any error messages

Warnings, Cautions and Notes

Follow these simple precautions to protect yourself from harm and the products from damage.

- To avoid electrical shock, always disconnect the power from your PC chassis before you work on it. Don't touch any components on the CPU card or other cards while the PC is on.

Disconnect power before making any configuration changes. The sudden rush of power as you connect a jumper or install a card may damage sensitive electronic components.

Safety Instructions

1. Read these safety instructions carefully.
2. Keep this User Manual for later reference.
3. Disconnect this equipment from any AC outlet before cleaning. Use a damp cloth. Do not use liquid or spray detergents for cleaning.
4. For plug-in equipment, the power outlet socket must be located near the equipment and must be easily accessible.
5. Keep this equipment away from humidity.
6. Put this equipment on a reliable surface during installation. Dropping it or letting it fall may cause damage.
7. The openings on the enclosure are for air convection. Protect the equipment from overheating. DO NOT COVER THE OPENINGS.
8. Make sure the voltage of the power source is correct before connecting the equipment to the power outlet.
9. Position the power cord so that people cannot step on it. Do not place anything over the power cord.
10. All cautions and warnings on the equipment should be noted.
11. If the equipment is not used for a long time, disconnect it from the power source to avoid damage by transient overvoltage.
12. Never pour any liquid into an opening. This may cause fire or electrical shock.
13. Never open the equipment. For safety reasons, the equipment should be opened only by qualified service personnel.
14. If one of the following situations arises, get the equipment checked by service personnel:
    - The power cord or plug is damaged.
    - Liquid has penetrated into the equipment.
    - The equipment has been exposed to moisture.
    - The equipment does not work well, or you cannot get it to work according to the user's manual.
    - The equipment has been dropped and damaged.
    - The equipment has obvious signs of breakage.
15. DO NOT LEAVE THIS EQUIPMENT IN AN ENVIRONMENT WHERE THE STORAGE TEMPERATURE MAY GO BELOW -20° C (-4° F) OR ABOVE 60° C (140° F). THIS COULD DAMAGE THE EQUIPMENT. THE EQUIPMENT SHOULD BE IN A CONTROLLED ENVIRONMENT.
16. CAUTION: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER, DISCARD USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

The sound pressure level at the operator's position according to IEC 704-1:1982 is no more than 70 dB (A).

DISCLAIMER: This set of instructions is given according to IEC 704-1. Advantech disclaims all responsibility for the accuracy of any statements contained herein.

Contents

Chapter 1 General Information 1

1.1 Introduction 2
1.1.1 Product Features 2
1.1.2 Package Contents.....2
1.1.3 Optional Accessories 2
1.2 Exploring the X10D 3
1.2.1 Front View.....3
1.2.2 Right View.....4
1.2.3 Left View with Telephone Jack 4
1.2.4 Left View with 3G SIM Card Slot (Optional).....4
1.2.5 Rear View 5
1.2.6 Bottom View.....5
1.3 Specifications 6
1.4 Getting Started 7
1.4.1 Inserting and Removing the Battery.....7
1.4.2 Connecting the Power.....8
1.4.3 Setup with Windows XP Professional Embedded.....8
1.4.4 Expansion Cards.....13
1.5 Making Connections.....18
1.6 Controlling the X10D 22

Chapter 2 Installation.....27

2.1 General Installation 28
2.1.1 Wireless Connections 28
2.1.2 Configuring a New Wireless Network 30

Chapter 3 Operating the LCD Display 39

3.1 OSD User Controls 40
3.1.1 Advanced Settings 40
3.2 Maintenance.....42
3.2.1 Maintaining the Battery 42
3.2.2 Maintaining the LCD Display.....42
3.2.3 Cleaning the X10D.....42

Appendix A Accessories 43

A.1 Accessories.....44

Chapter 1

General Information

1.1 Introduction

Congratulations on your purchase of the X10D Rugged Tablet PC. This product combines rugged design with reliable performance and powerful functionality to best suit all your needs, in a wide range of working conditions.

This user manual outlines all you need to know to set up and use your X10D. If you have any further questions or queries, contact our technical support team.

1.1.1 Product Features

- Rugged design, up to military standard (MIL-STD-810F)
- Efficient Core 2 DUO processor
- Durable, shock-resistant magnesium alloy housing
- Built-in WLAN/Bluetooth/GPS/GPRS functions
- IP65 compliant & built to withstand a 3 foot drop
- Intel Core 2 DUO processor
- 10.4” SVGA / XGA TFT LCD
- I/O ports for expansion

1.1.2 Package Contents

Ensure all the following items are present when you receive your X10D. If any of these items are missing, contact your vendor immediately.

- X10D Tablet PC
- AC power adaptor
- Power cord
- Battery
- Stylus
- CD

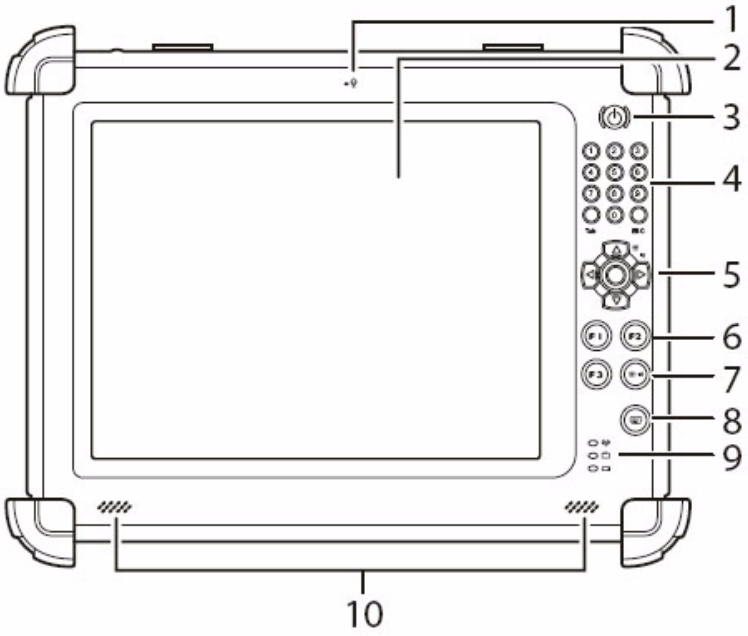
1.1.3 Optional Accessories

- Desk Docking
- Hand Strap and Shoulder Strap
- Holster
- Vehicle Mount
- Vesa Mount

Note! *Screens used in this manual are for illustrative purposes only. Actual screens may vary based on your product version.*

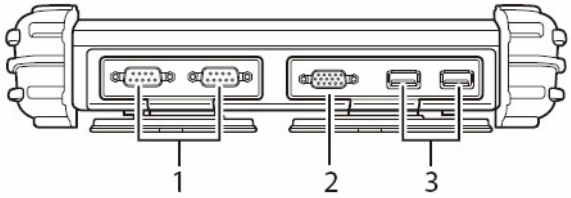
1.2 Exploring the X10D

1.2.1 Front View



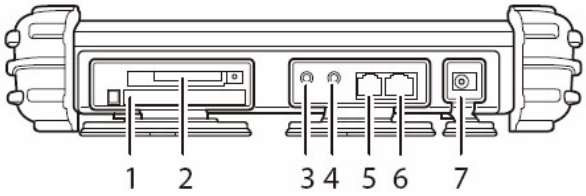
No.	Component
1	Microphone
2	Touch-sensitive display (responds to stylus or finger)
3	Power button
4	Number / Tab / Esc buttons
5	4-Way navigation button with integrated enter button
6	Function buttons
7	Brightness / volume button
8	Keyboard button
9	Status LEDs: Battery charge LED: **Off**: power off **Solid Green**: green lights on when charging in power off mode, lights off when finish charging. **Blinking Green**: AC power on & battery is charging in power on mode. **Solid Yellow**: power on, battery low **Blinking Yellow**: power on, battery critical low HDD activity LED: **Green** when HDD is accessed WLAN connection status LED: **Off**: No RF signal / No LAN connection **Solid Green**: WLAN Activated **Blinking green**: TX/RX Transmission
10	Speakers

1.2.2 Right View

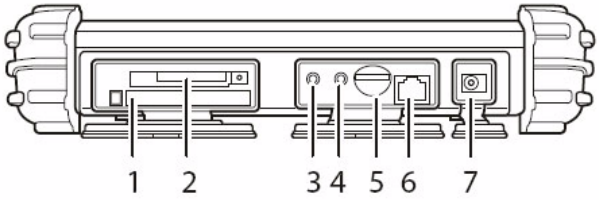


No.	Component
1	Serial ports
2	VGA port
3	USB ports

1.2.3 Left View with Telephone Jack

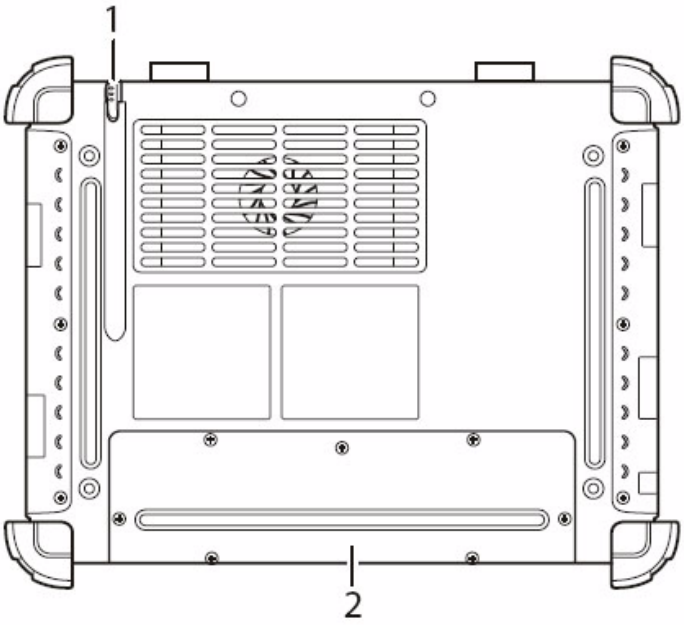


1.2.4 Left View with 3G SIM Card Slot (Optional)



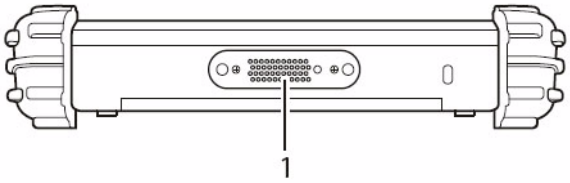
No.	Component
1	PC card slot (PCMCIA)
2	CompactFlash card slot
3	Headphone jack
4	Microphone jack
5	Telephone line jack/3G SIM card slot (optional)
6	RJ-45 jack (for network cables)
7	DC-in jack

1.2.5 Rear View



No.	Component
1	Stylus
2	Battery compartment cover

1.2.6 Bottom View



No.	Component
1	Docking connector

1.3 Specifications

Feature	Description
Operating System	Windows XP Embedded/ Windows XP Professional Embedded Windows Vista Embedded
Processor	Core 2 Duo U7500
Chipset	GME965 & ICH8M
Memory	One SODIMM DDRI 533 support up to 2GB
Storage	CompactFlash (2GB CF Memory card) or 2.5” HDD 80G SATA
Display	10.4” SVGA/XGA Transmissive LCD, optional sunlight readable LCM
Touch Panel	4-wire resistive touch panel
Application Button	One Power button and one software keyboard button 12 numeric keys (0~9, #, *) 4-Way navigation button with integrated enter button Four Function programmable buttons for quick selection of applica-tions
Communication	802.11a/b/g WLAN (mini-PCI) module (optional) Bluetooth class 2, v2.0+EDR (optional) Modem or Internal GPRS HSDPA (optional) GPS module built-in with integral antenna
Audio System	Realtek ALC260

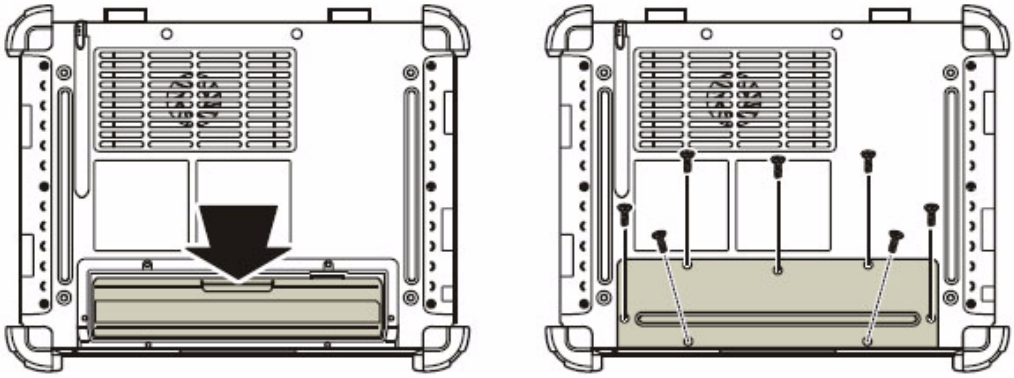
Feature	Description
LED Status Indicators	Power LED: Off: Power off Solid green: Lit when charging in power off mode, off when charging is complete Blinking green: Power on, battery is charging in power on mode Solid yellow: Power on, battery low Blinking yellow: Power on, battery criti-cally low HDD LED: Green when HDD is being accessed WLAN LED: Off: No RF signal / No LAN connection Solid Green: WLAN activated Blinking Green: TX/RX transmission
I/O Ports	Two USB 2.0 host connector Two RS-232/422/485 (optional) One VGA output One CF Type II slot One PCMCIA Type II slot, support CardBus 2.1 One internal mono microphone One internal stereo speaker One RJ-45 for 10/100/1000Mbps Ethernet One RJ-11 for 56kbps v.92/k56 fax modem Or SIM Card Slot (optional) One stereo headphone jack One microphone jack One DC-In jack One docking connector
Main Battery	Rechargeable Li-ion smart battery, 11.1V, 5200mAh, 3S2P
Power Adapter	Universal AC 100V~240V, 50~60Hz input; 19V, 3.16A output, 60W
Physical	310 x 236 x 42mm, approx. 2.9Kg

Feature	Description
Environment	Operating Temperature: -20º C to 60º C Storage Temperature -40º C to 70º C Operating Humidity 5% ~ 95%
Rugged Rating	IP65, 3ft drop, MIL-STD-810F, MIL-STD-461E
Certifications	CE, FCC, VCCI, C-tick, WEEE, CCC
Optional Accessories	AC adaptor and Power cord Hand Strap & Shoulder bag DC-DC Adaptor (Input 12VDC~32VDC Vehicle Adaptor) Vehicle Mount VESA Mount Vehicle Docking External Battery Charger Holster

1.4 Getting Started

1.4.1 Inserting and Removing the Battery

Insert the battery and secure the battery compartment door with the screws provided.

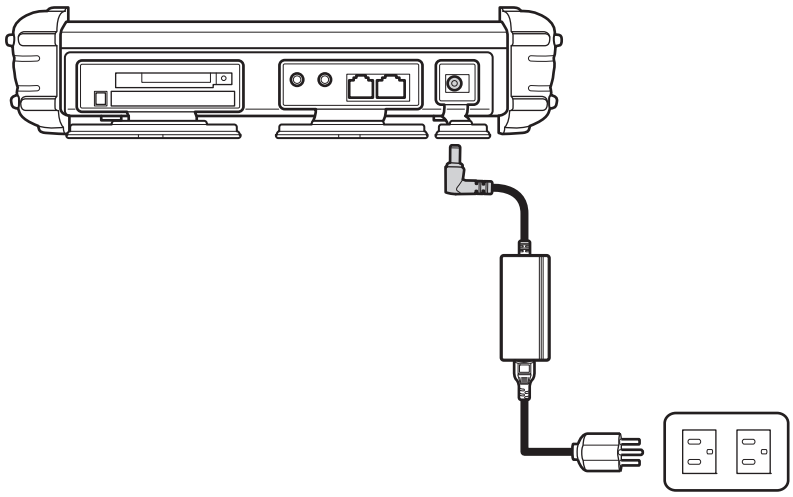


Note! *The arrow markings on the battery indicate the direction in which it should be inserted.*

Repeat the above steps in reverse to remove the battery.

1.4.2 Connecting the Power

Before you can use your X10D, you must fully charge the battery. Connect the power adapter and leave to charge for a minimum of 4 hours before use.

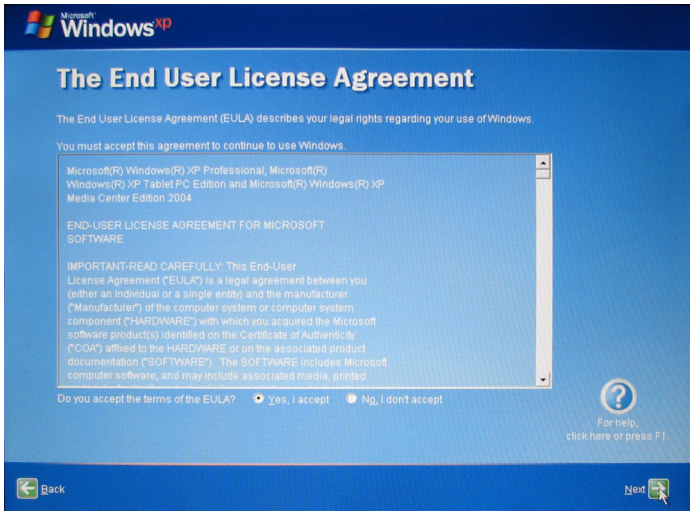


1.4.3 Setup with Windows XP Professional Embedded

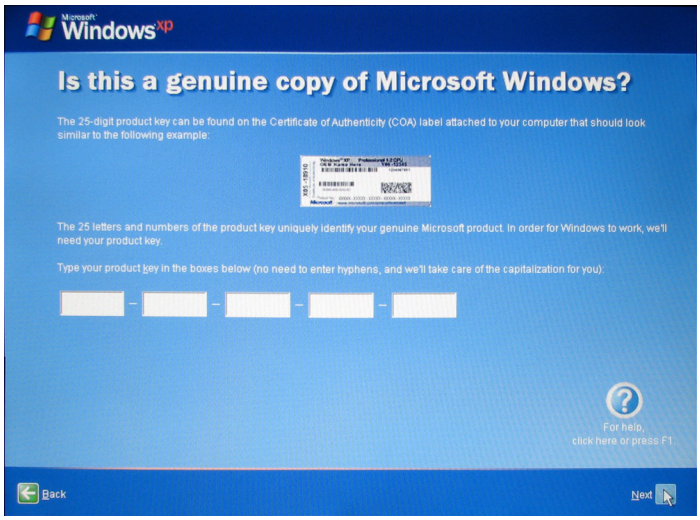
When you first turn on the X10D, the following setup screens will appear. Follow these instructions to validate your version of Windows XP and set up your system correctly.

1. The Welcome screen appears. Tap **Next** to continue.

2. Tap **Yes, I accept** to agree to the terms and conditions. Tap **Next** to continue.



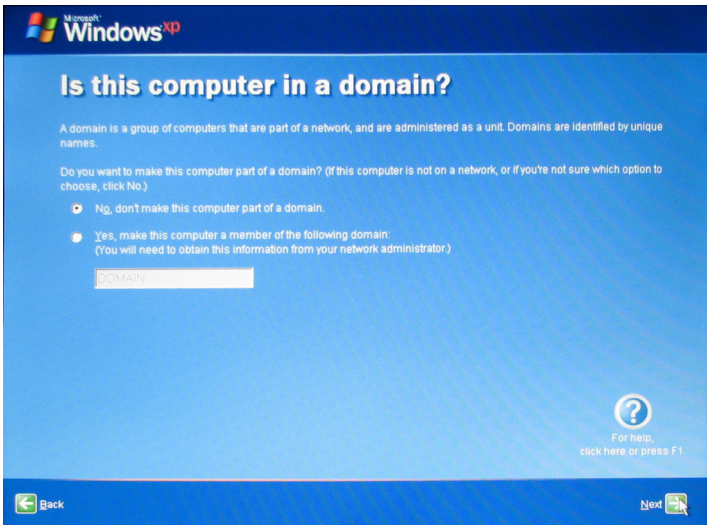
3. Enter the 25-digit product key to validate your copy of Windows. Tap **Next**.



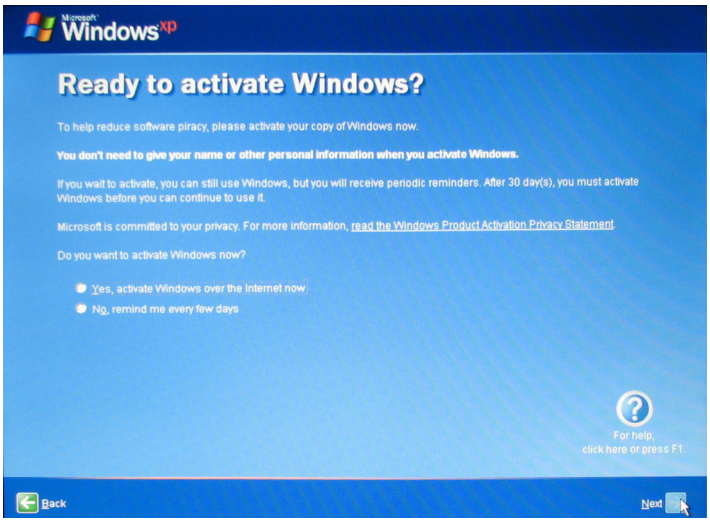
4. Enter a name to identify your X10D. This the name by which it will be recognized on all connected networks. You can also enter a description if required. Tap **Next** to continue.

5. Enter an administrator password and re-confirm. Tap **Next** to continue.

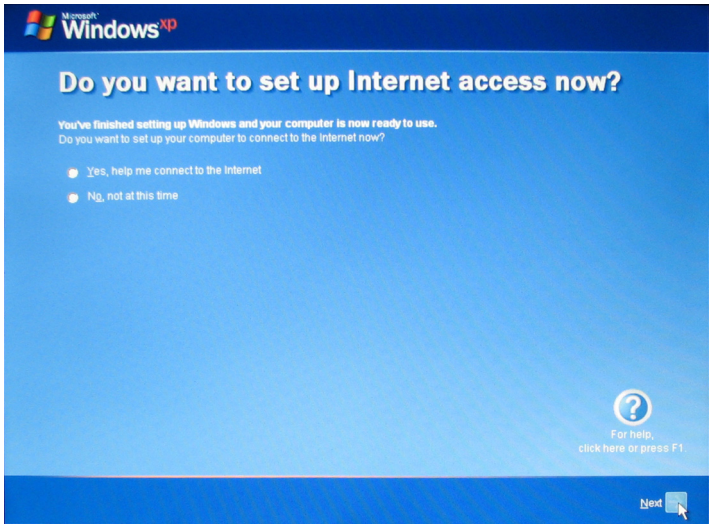
6. Choose whether or not to make the X10D part of a domain. If so, enter the domain name (ask your system administrator for details). Tap **Next** to continue.



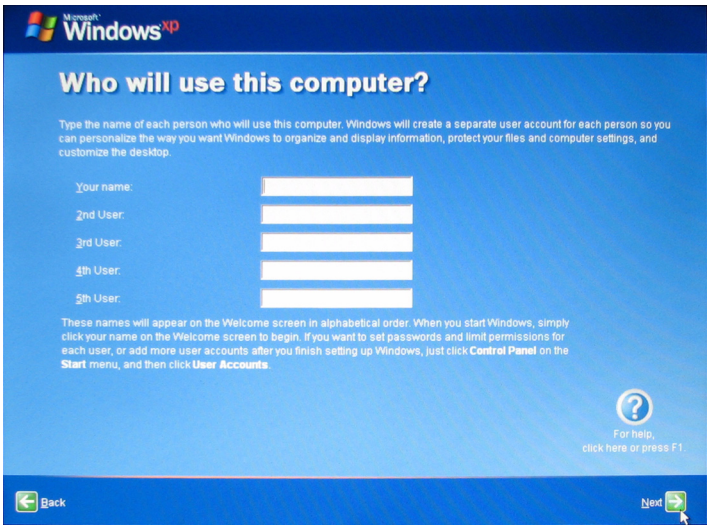
7. Choose whether or not to activate your copy of Windows immediately or at a later date (we recommend you activate the software immediately). Tap **Next** to continue.



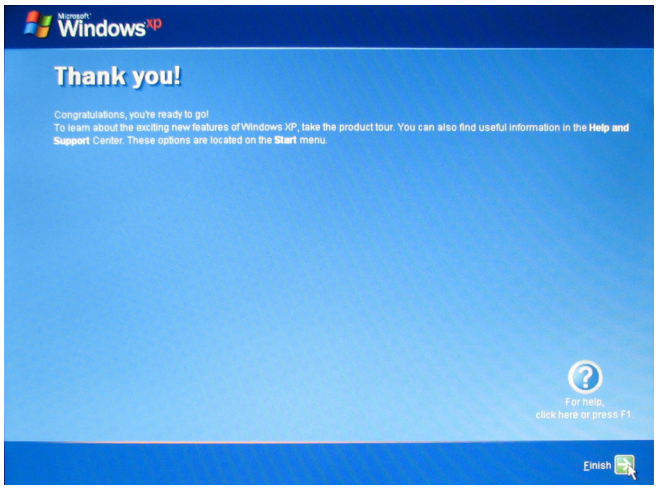
8. You can now configure your internet connection. Tap **Yes, help me connect to the Internet** to run the Internet Configuration Wizard. Tap **Next** to continue.



9. Enter the names of other users of your X10D. You can add up to five users. Tap **Next** to continue.



10. Tap **Finish** to complete the setup.



Recovering from a System Crash in WinXP Pro Embedded

In the unlikely event the system should crash, do the following to reboot your system:

1. Press the power button to turn on the X10D. During boot- up, **PRESS UP KEY TO RUN RESTORE...** is displayed. Press the up arrow button.
2. The recovery software screen appears with the message '**Are you sure you want to recover the partition now?**'. Press **Enter** to confirm. The recovery operation starts.

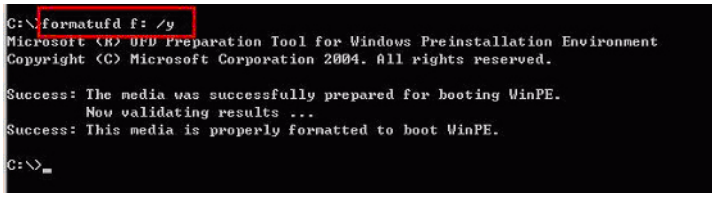
Recovering from a System Crash If you are using Windows XP Embedded

If you are using the Compact Flash memory card for data storage, your X10D will follow the CF recovery procedures to re-boot your system.

Follow these steps to perform a recovery procedure using a USB flash drive should your system crash:

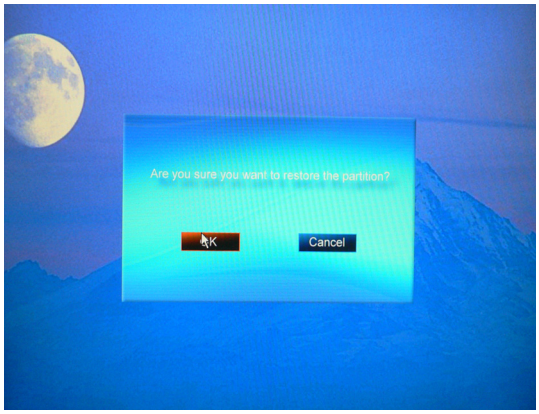
1. Download the **FORMATUPD.EXE** file to your local drive (C:\).
2. Connect a USB flash drive to your computer.

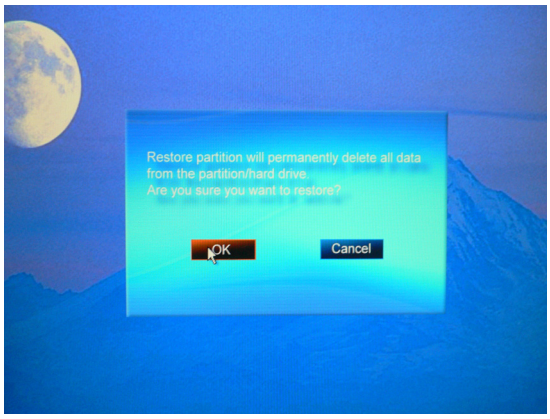
3. Click **Start** > **Run** and type **cmd** in the command box.
4. Type **cd** and press **Enter**.
5. Type **FORMATUFD F: /y**

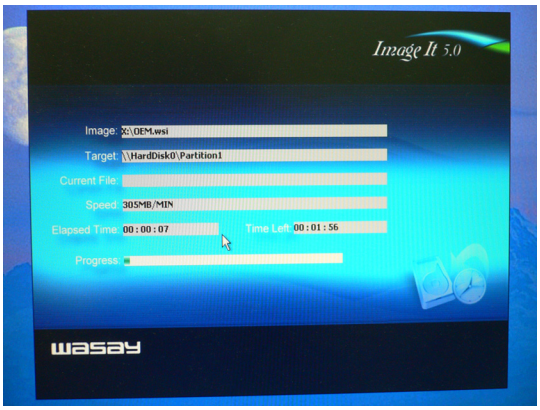


6. Copy the files from the **Windows XPE Recovery** folder on your local drive to the USB flash drive.
7. Connect the USB flash drive and a keyboard to your X10D and turn on the computer.
8. Press the **Del** key repeatedly during boot up to enter the BIOS screen.
9. Highlight **Advanced BIOS Features** and press **Enter**.
10. Highlight **Hard Disk Boot Priority** and press **Enter**.
11. Highlight your USB flash drive from the list and press **+** to move it up until it is at the top of the list.
12. Press **F10** to exit the screen.
13. Highlight **Save & Exit Setup** and press **Enter**.

14. Press **Y** to save and exit when the confirmation message appears.







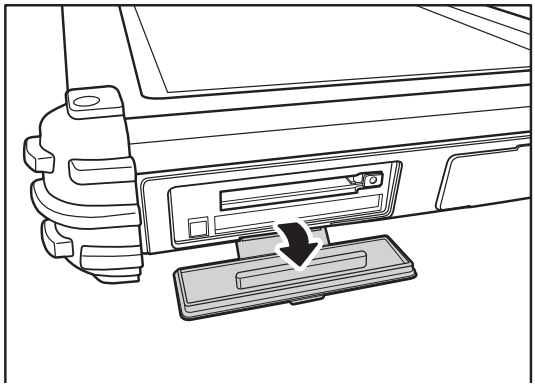
15. The system will now enter recovery mode. Click **OK** twice to continue.
16. Once the process is complete, click **Quit**, remove the USB flash drive and the system will restart automatically.

1.4.4 Expansion Cards

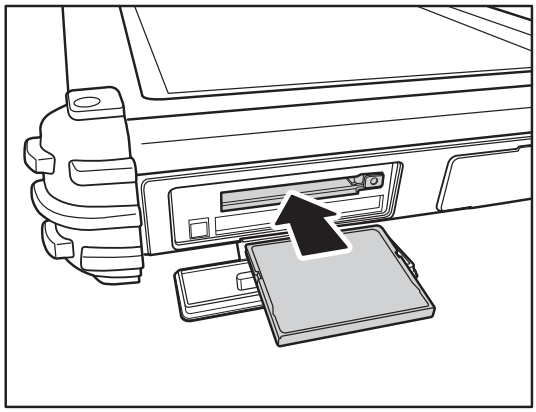
Inserting a Memory Card

You can insert a Compact Flash memory card to store data, which needs to be later transferred to another machine, or to simply expand the storage capacity of the X10D. You can use Compact Flash cards up to 2GB in size.

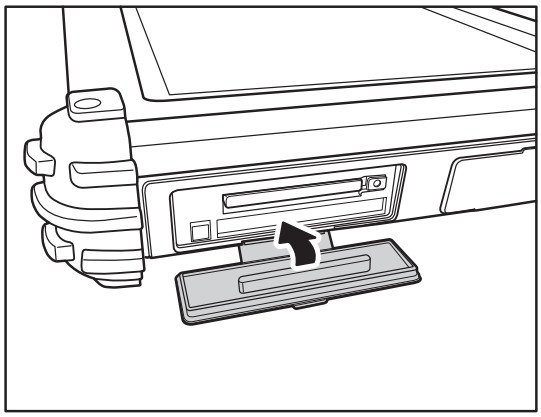
1. Open the memory card compartment cover.



2. Insert the Compact Flash card, until it clicks into place.



3. Close the memory card compartment cover.



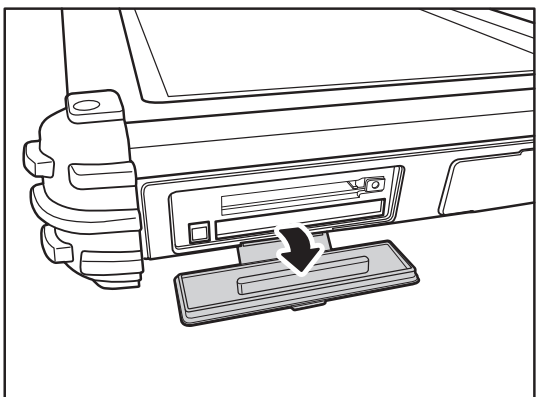
Removing a Memory Card

1. Open the memory card compartment cover.
2. Press the Compact Flash card inwards, until it clicks.
3. Release and the card will pop out.
4. Remove the card and close the memory card compartment cover.

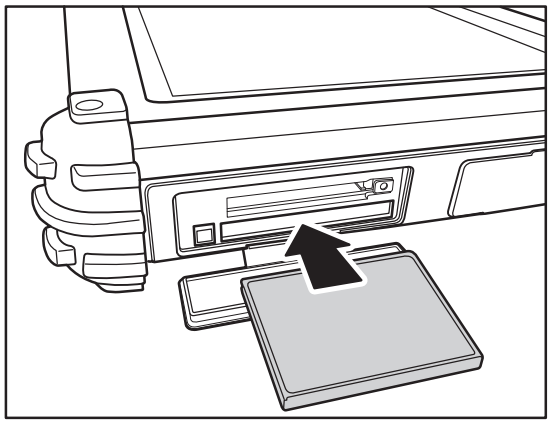
Inserting a PCMCIA Card

You can also insert a PCMCIA card to store and transfer data between computers with compatible PC card capabilities.

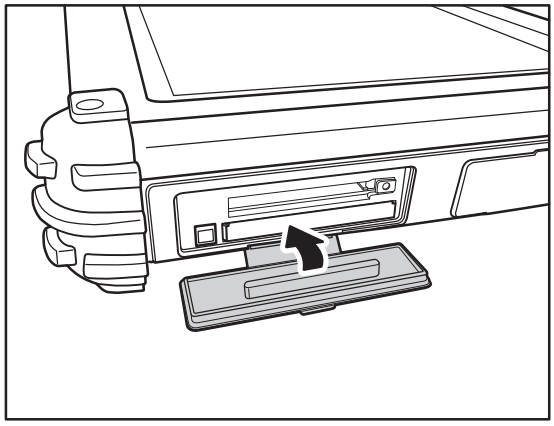
1. Open the memory card compartment cover.



2. Insert the PCMCIA card, until it clicks into place.

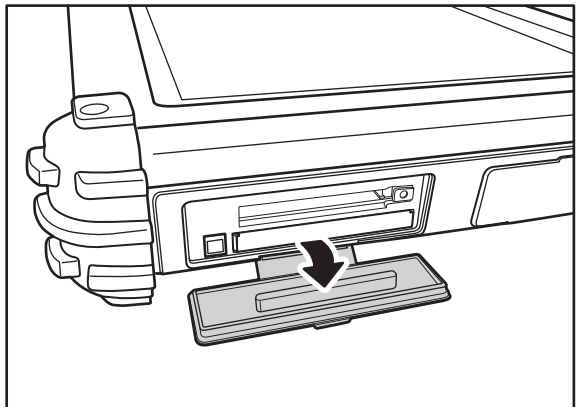


3. Close the memory card compartment cover.

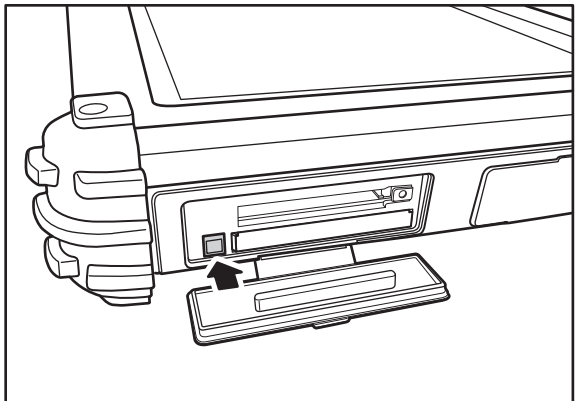


Removing a PCMCIA Card

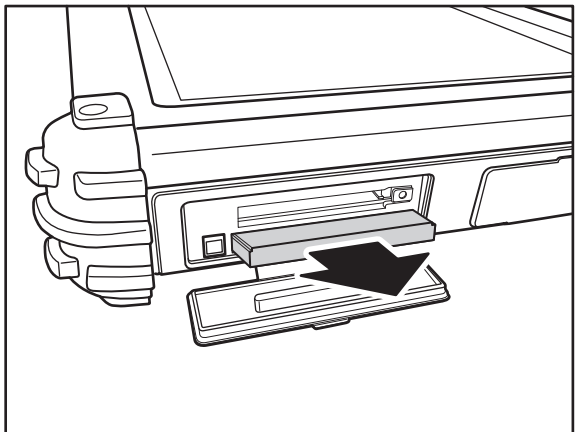
1. Open the memory card compartment cover.



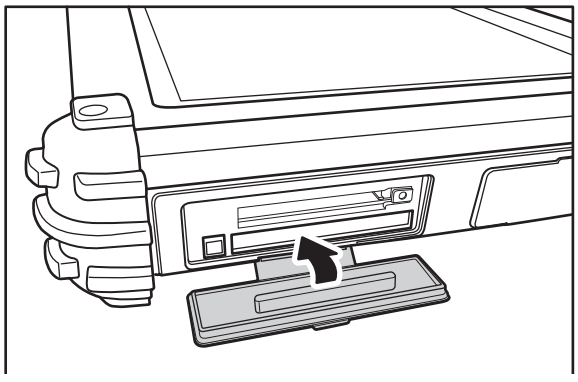
2. Press the PCMCIA card switch inwards until the card pops out.



3. Remove the card.

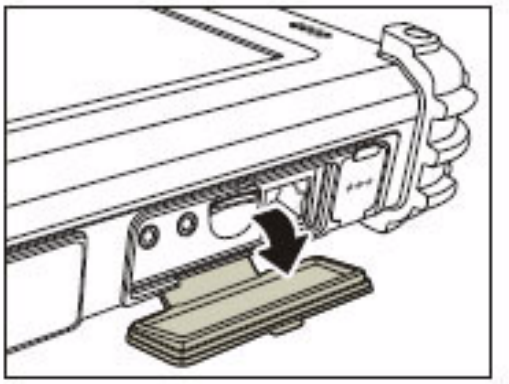


4. Close the memory card compartment cover.

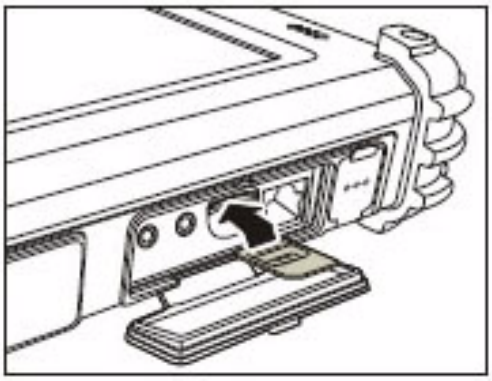


Inserting 3G SIM Card (optional)

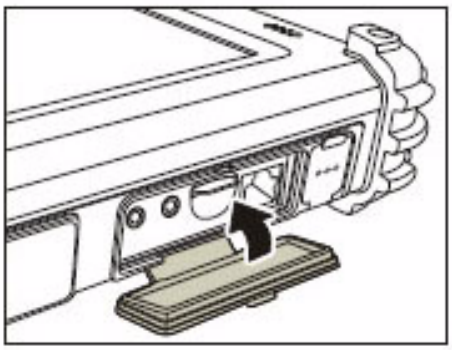
1. Open the left side cover where 3G SIM card slot is located.



2. Make sure the system is off and push the SIM card into the slot with the metallic part facing up and the clipped corner facing outward until it clicks into place.

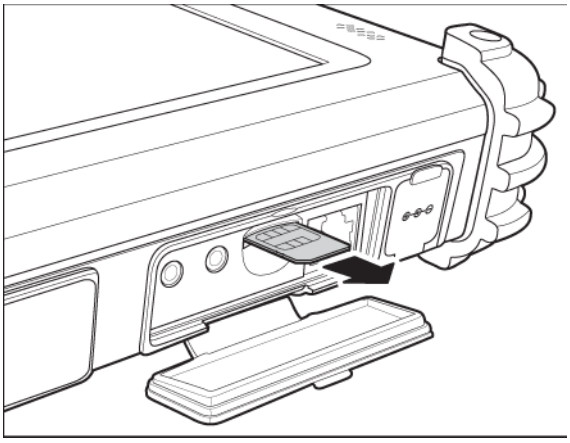


3. Close the cover.



Removing 3G SIM Card (optional)

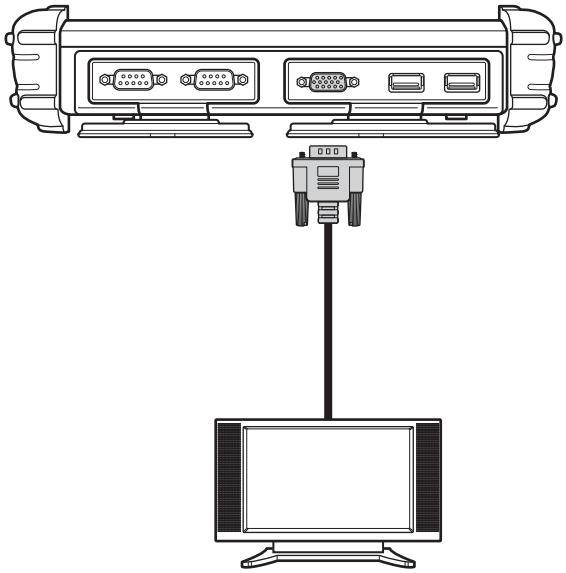
1. Slightly push the SIM Card inwards to pop it out.



1.5 Making Connections

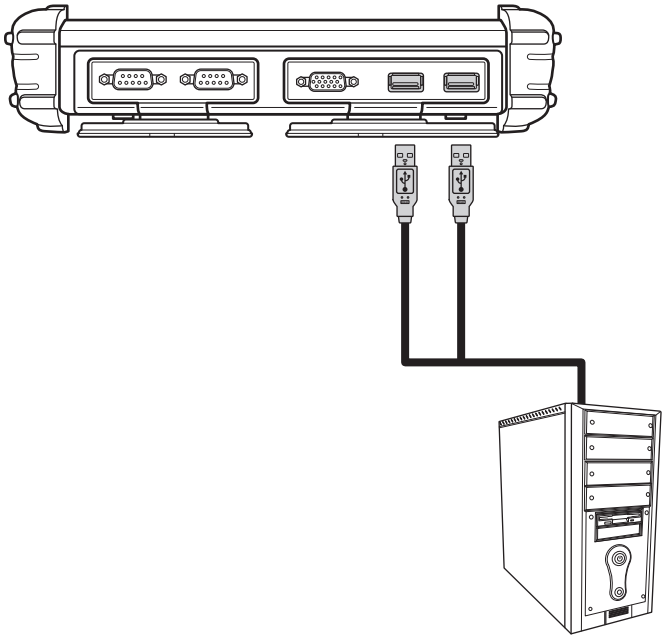
Connecting to a Monitor

You can connect the X10D to an external monitor for enhanced viewing. Connect one end of a VGA cable to the VGA port on the right side of the X10D. Connect the other end to the VGA port on the monitor.



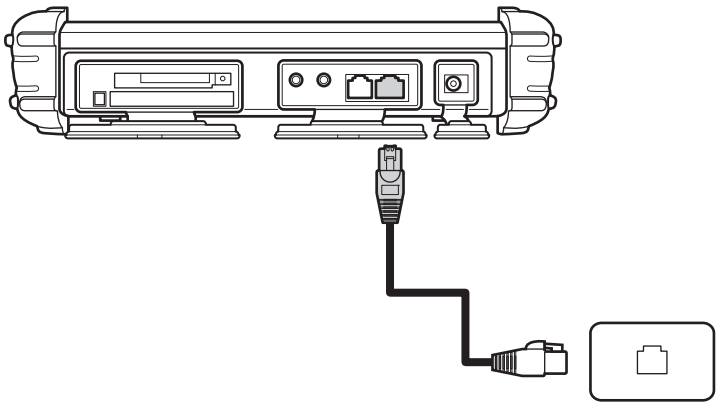
Connecting USB Devices

You can connect peripheral devices, such as a USB keyboard and mouse, as well as other wireless devices using the USB ports on the right side of the X10D. You can also connect directly to another PC using the USB ports.



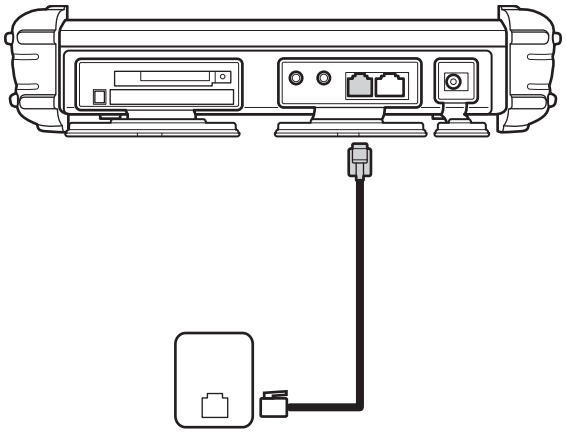
Connection to a Network

You can connect to either a home or work network using the RJ-45 port. Connect one end of the network cable to the RJ-45 port on the left side of the X10D and the other to your network hub or wall socket.



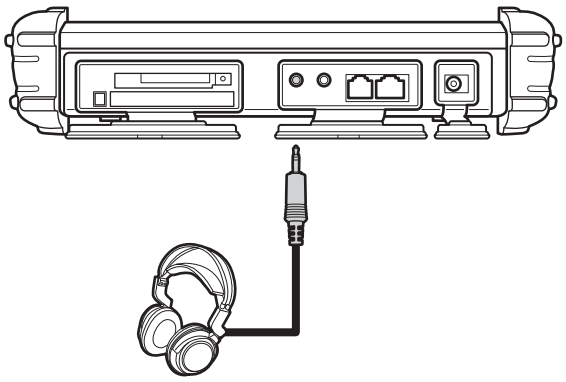
Connecting to a Telephone Line

If you are accessing the Internet via a regular telephone line, you can connect the X10D using the telephone jack on the left side of the X10D.



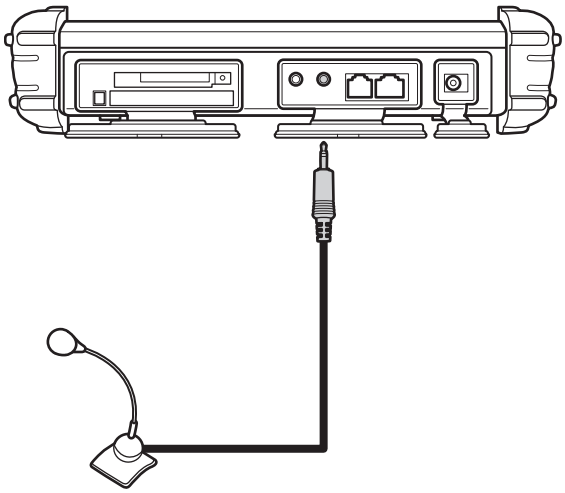
Connecting Headphones

You can connect a pair of headphones using the headphone jack on the left side of the X10D.



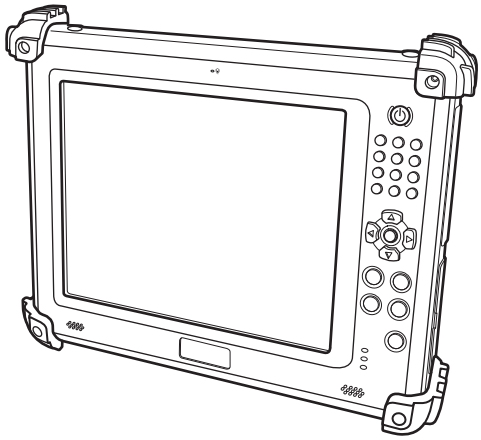
Connecting a Microphone

The X10D features and in-built microphone, but you can connect an external microphone if needed. Connect the microphone to the microphone jack on the left side of the X10D as shown.



Turning On

Press and hold the power button to turn on the X10D.

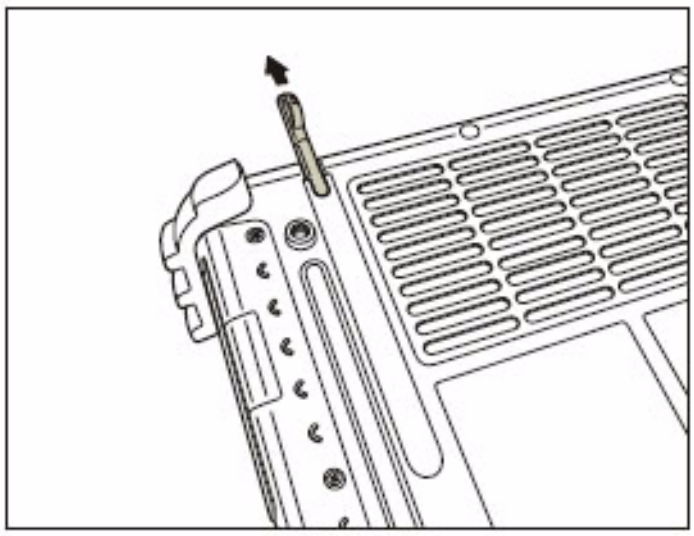


1.6 Controlling the X10D

Using the Touchscreen

The X10D is equipped with touchscreen technology, for ease of use when you are on the go. Simply use the pen to select icons and run applications.

Remove the pen from its holder at the rear of the X10D and you are ready to go.



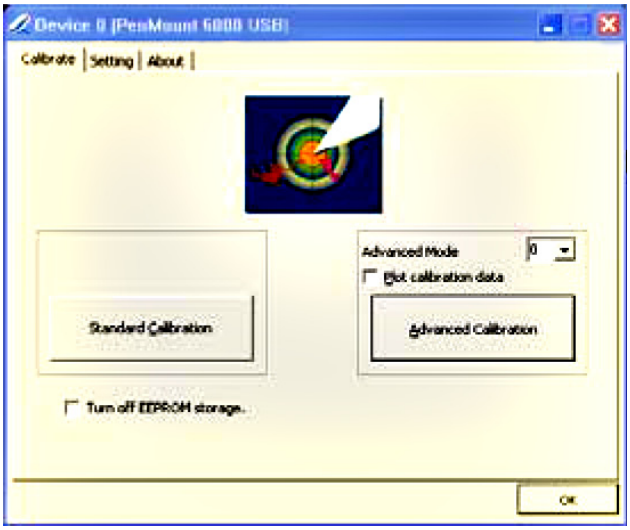
Calibrating the Touchscreen

To calibrate the touch screen, tap **Start** > **All Programs** > **PenMount Universal Driver** > **PenMount Control Panel** to open PenMount Control Panel or tap the pointer device icon in the system tray.

1. Turn on the Advanced Calibration in **Tools** > **Advanced Calibration**. From Pen-Mount Control Panel, highlight **PenMount 6000 USB** under the**Device** tab. and tap **Configure.** The Device configuration screen opens.

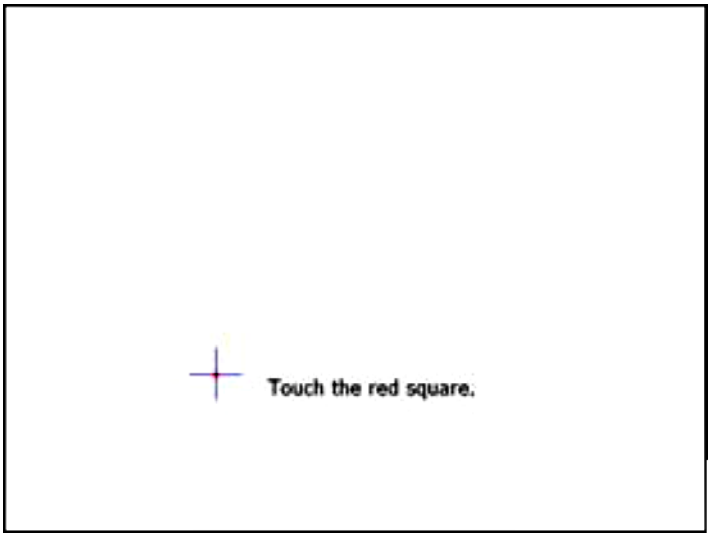
2. Tap the **Calibrate** tab and you will see two options:

- **Standard Calibration:** select this option to start 5 pointsStandardCalibration.



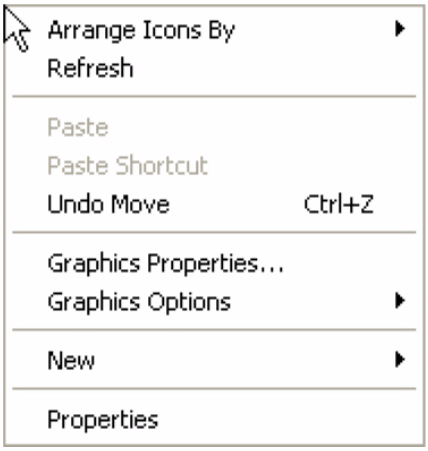
- **Advanced Calibration:** select this option to use 4, 9, 16, or 25 points to calibrate the screen. Check **Plot calibration data** to enable touch panel linearity comparison graph. The blue lines show linearity before calibration and black lines show linearity after calibration.

3. Touch the points as displayed on screen using the pen.



Using the Tap Function

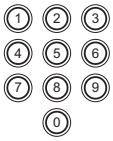
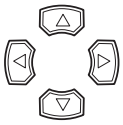
When you tap on the screen with the a pen or stylus, it emulates click functions of a regular mouse.



- To emulate a left click single tap the screen once.
- To emulate a right click tap and hold the screen.
- To emulate a double click tap the screen twice.

Using the Control Panel Buttons

The control panel buttons are located on the right of the touch screen. See below for a description of each button and its function.

Button	Name	Function
	Power	Press to power on and off the X10D
	Numbers	Press to enter numbers
	Arrows	Press to move up, down, left, right
	Enter	Press to emulate the Enter key
Tab	Tab	Press to emulate the Tab key
ESC	Escape	Press to emulate the ESC key
	Function	Press to access your favorite programs
	Brightness/ Volume Settings	Hold and press the up or down buttons to adjust brightness. Hold and press the left or right buttons to adjust the volume level.
	Keyboard	Press to access the on-screen keyboard

Using the Onscreen Keyboard

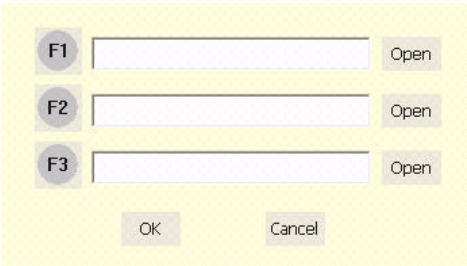
Press the button to bring up the on-screen keyboard.

Use pen to tap and enter letters, numbers and symbols as you would with a regular keyboard. To type capital letters tap the lock icon on the on-screen keyboard.

Configuring the Function Buttons

The three function buttons can be configured as shortcuts to access your favorite or frequently used programs.

1. Press the function button to which you want to assign a program shortcut to. The function button screen appears.



2. Tap **Open** and locate the program on the hard drive.
3. Tap **OK** to save all new settings.

Once you have assigned a function to one of the buttons, you can change it at a later date by tapping on the Tray icon in the system tray. Select **Function Key Setting** from the menu and follow the procedure above from step 2 to make any changes.

Adjusting Screen Brightness

1. Press and hold the button.
2. Press the up arrow to increase brightness, or the down to decrease brightness.

Adjusting the Volume

1. Press and hold the button.
2. Press the right arrow to increase the volume, or the left arrow to decrease the volume. You can also adjust the screen brightness through the Tray. Tap the Tray icon in the system tray, and select **Volume Adjustment**. Move the slider to make adjustments.

Chapter 2

Installation

2.1 General Installation

2.1.1 Wireless Connections

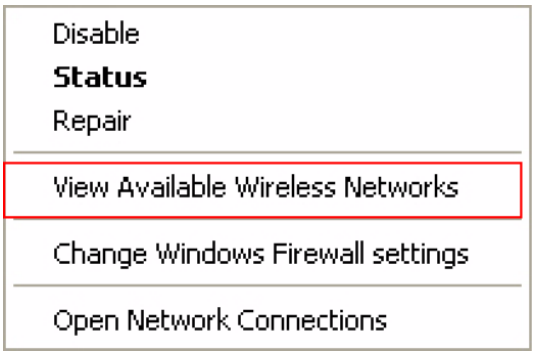
WiFi Connections

Note! *WiFi access requires a separate purchase of a service contract with a wireless service provider. Contact a wireless service provider for more information.*

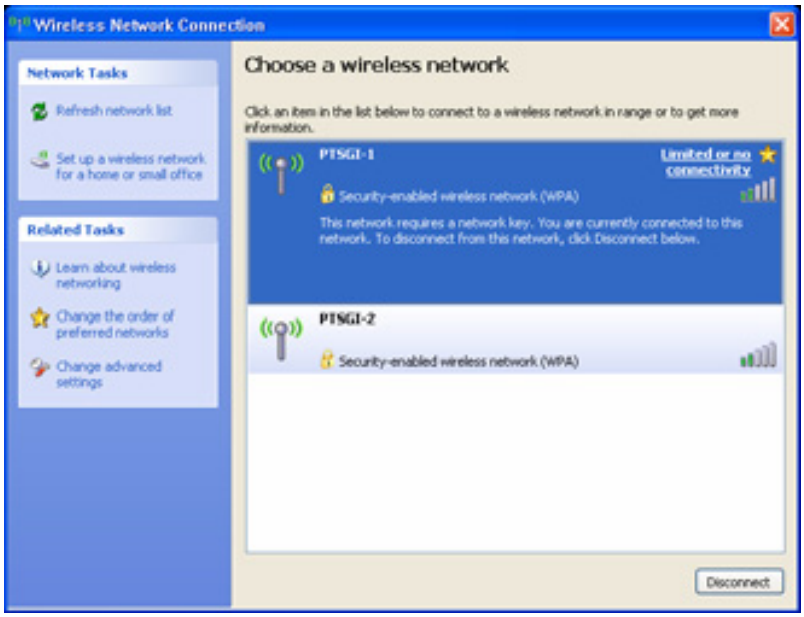
The X10D comes pre-loaded with WLAN module, you can send and receive signals to a WiFi network then synchronize files.

A wireless network can be added either when the network is detected or by manually entering settings information. Before doing these steps, determine if authentication information is needed.

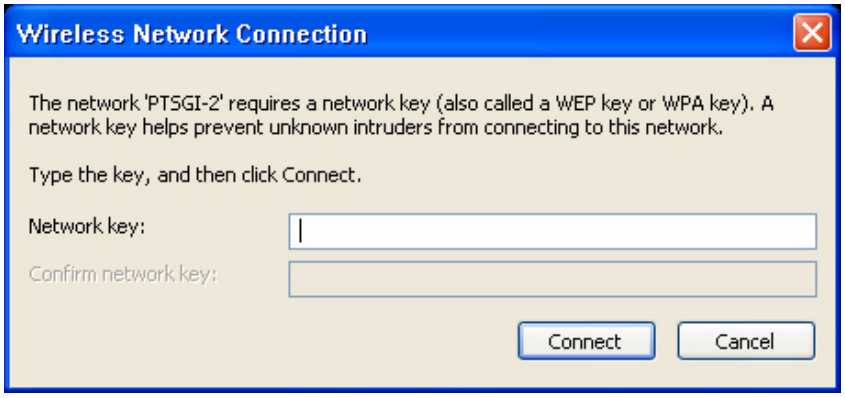
1. Right-click the wireless connection icon in the notification area. Select View Available Wireless Networks to open Wireless Connection screen.



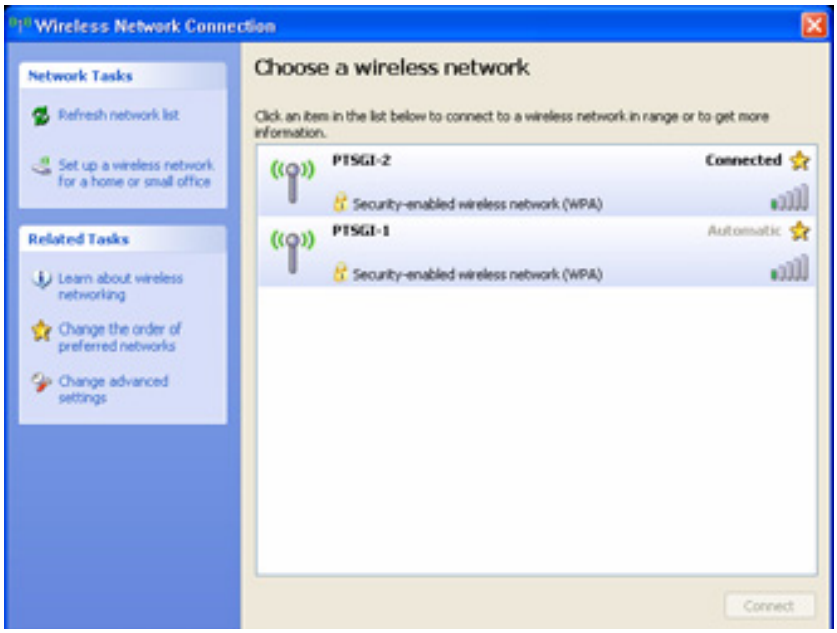
2. Select one of the wireless connections and tap Connect.



3. You are prompted to enter a WEP key for secure access. Contact the network administrator for this key.
4. Enter the required WEP key and reenter the key forconfirmation and then tap Connect.



5. The wireless connection is negotiated and you see the following screen.

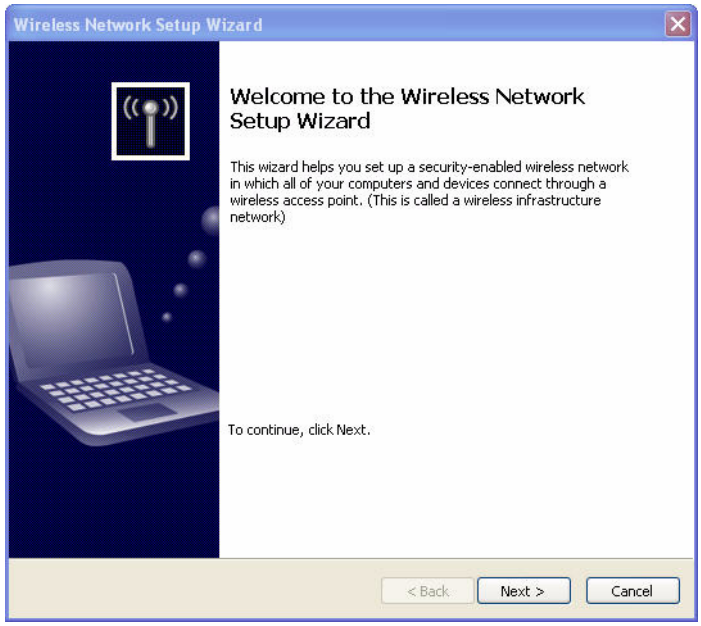


The wireless connection icon in the notification area shows a connected status whenever a wireless connection is present.

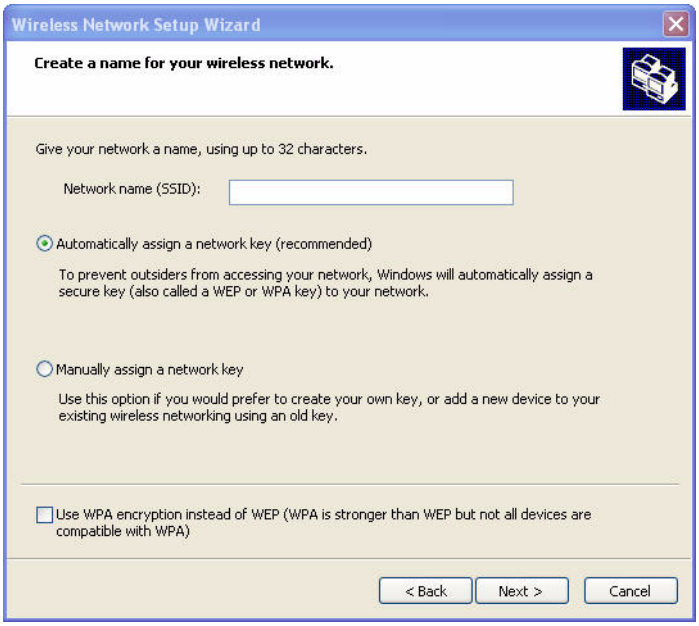
2.1.2 Configuring a New Wireless Network

Should you need to create a new wireless network, do the following:

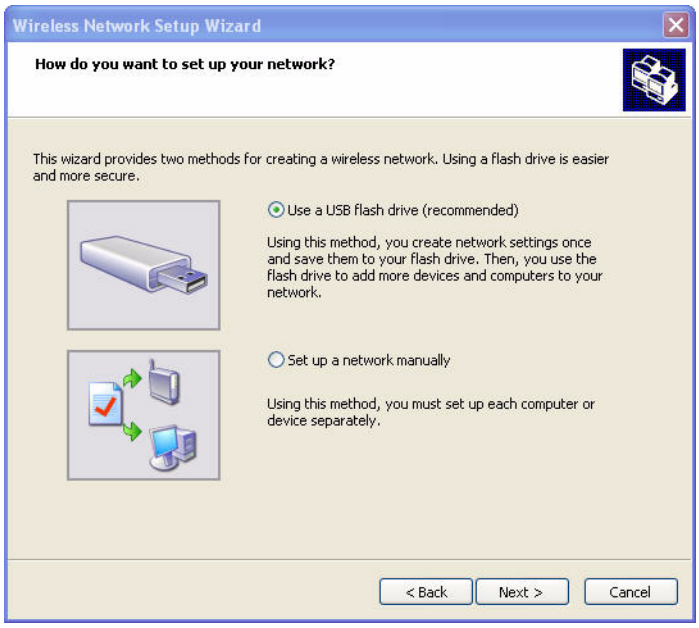
1. Tap the wireless icon in the Windows system tray to open the Wireless Network Connection Status screen.
2. Tap **Set up a wireless network for a home or small office**. The Wireless Network Setup Wizard begins.
3. Tap **Next** to continue setup.



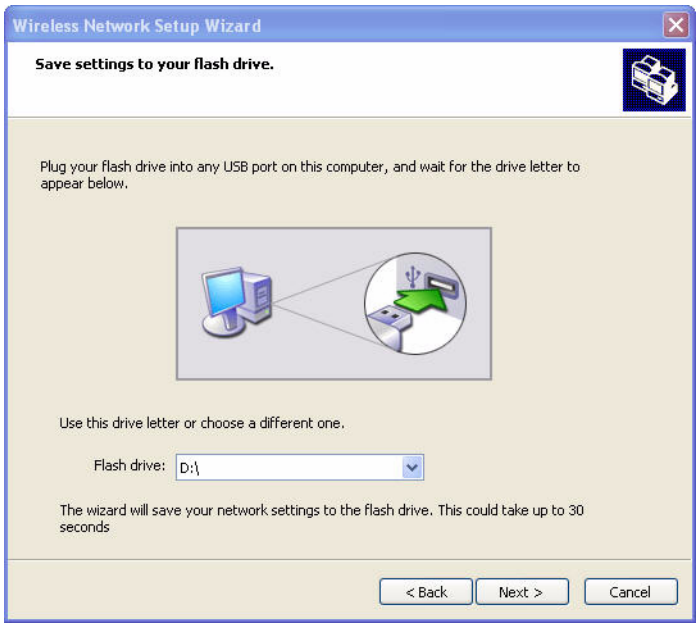
4. Enter the name of your network and select whether to assign a secure network key automatically or manually (we recommend you allow the system to do this automatically).Tap **Next** to continue.



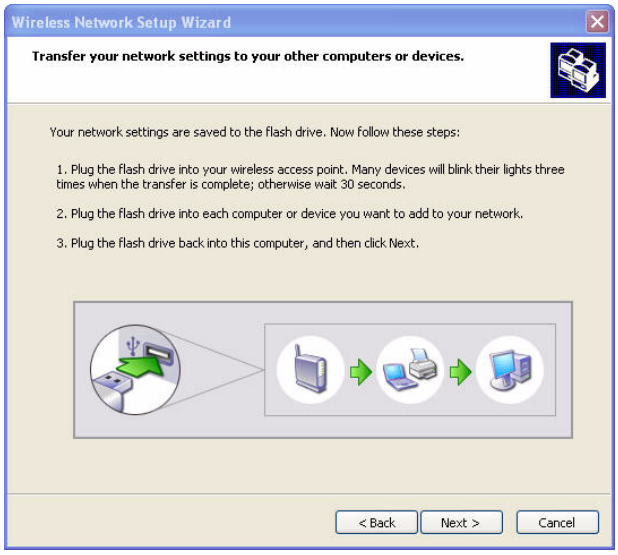
5. Select the method by which you will set up other computers in your network. Choose to use a USB Flash drive to copy and transfer network settings to other computers, or choose to do it manually on each computer in the network (we recommend you use a USB flash drive to transfer settings). Tap **Next** to continue. (Skip to **step 8** if you decide to configure each computer manually.)



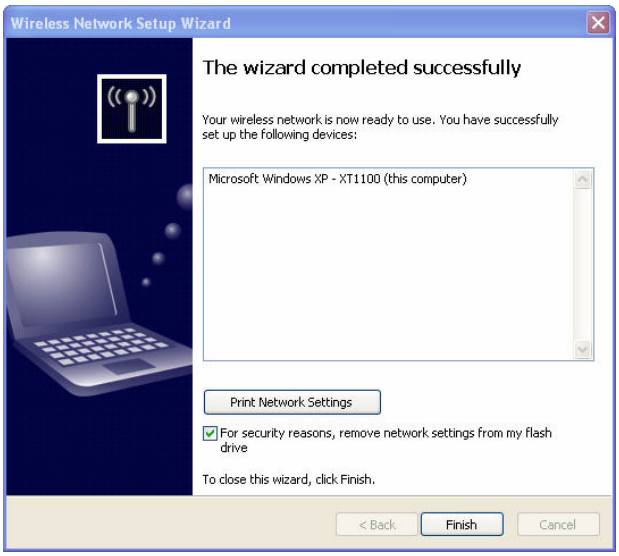
6. Insert your USB flash drive into a free USB slot and select the drive name from the drop-down list. Tap **Next** to continue.



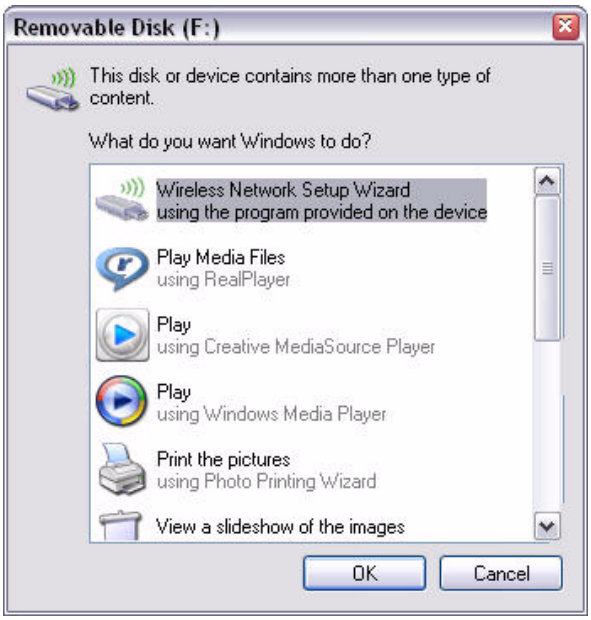
7. All your current network settings are copied to your USB flash disk. Tap **Next** to continue.



8. Setup is complete. Tap **Print Network Settings** to print a list of settings if you are configuring each computer manually. Tap **Finish** to complete the wizard.



9. If you chose to transfer settings to other computers via your USB flash disk, select Wireless Network Setup Wizard from the prompt that appears when you insert the disk into other computers. The network settings are transferred automatically.



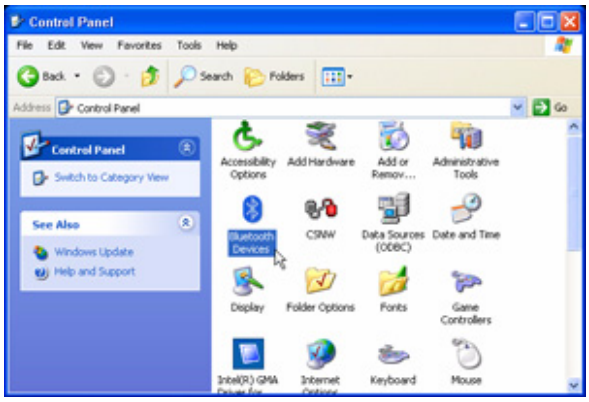
Bluetooth Connections

The X10D comes with built-in Bluetooth functionality that allows you to connect and communicate with other Bluetooth-enabled devices.

Setting Up Bluetooth

Follow these instructions to set up a Bluetooth connection.

1. Tap **Start** > **Control Panel** and double-tap Bluetooth Device Properties to open the Bluetooth Devices screen.



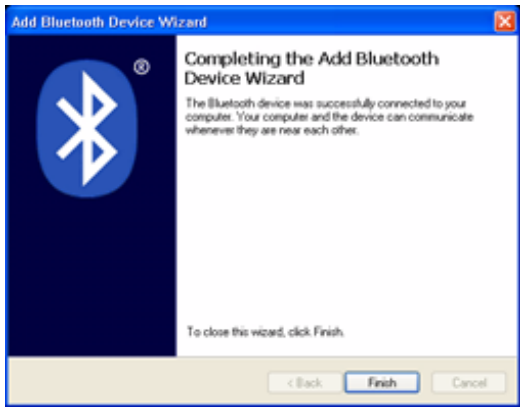
2. Tap **Add Device** to open the **Add Bluetooth Device Wizard**.

3. Select the My device is set up and ready to be found checkbox and tap **Next**.
4. The Wizard searches for and displays other Bluetooth devices within range.

5. Tap the device to connect to and tap **Next**. You are prompted for a passkey.

6. Select your option and tap **Next**.

7. The Wizard attempts to connect with the other device and prompts the other device to input the passkey. If the other device has successfully accepted the passkey, the devices are connected and the Wizard finishes..



Note! *It is recommended that you use a passkey to prevent unauthorized access to your X10D.*

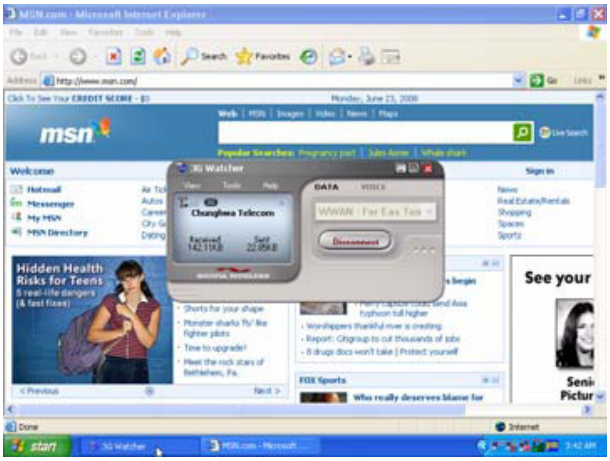
GPRS Connection (optional)

GPRS function is optional with X10D. It allows you to make 3G connection to the internet. See “Inserting 3G SIM Card (optional)” on page 17 for installation instruction. Tap **Start** > **All Programs** > **Sierra Wireless** > **3G Watcher** > **3G Watcher** to run the 3G software.

1. Enter your pin if prompted.

2. Tap the **Connect** button to connect.

3. 3G connection established. You can now connect to the internet.

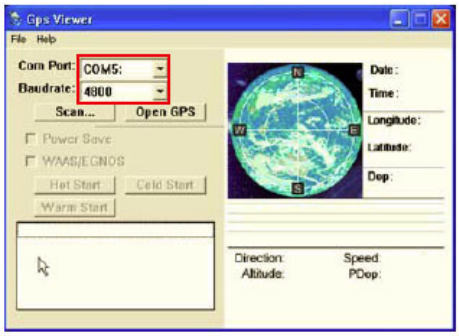


To avoid damage to the SIM card, insert the SIM card before you turn the power on and remove the SIM card after you turn the power off.

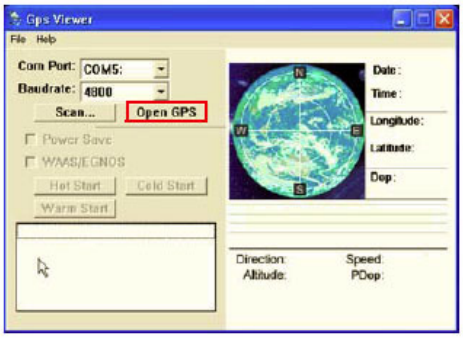
GPS Connection (optional)

GPS function comes optional with X10D. It allows you to view your GPS positions. Different countries have different GPS positioning programs. You can download any GPS positioning program from website and install into this unit. The following illustration demonstrates how the GPS viewer operates. It is only an example.

1. From the Com Port drop down menu tap **COM5** to select COM5 as your com port.
2. From the Baudrate drop down menu tap **4800** to select 4800 as your baudrate.



3. Tap **Open GPS** to start GPS.



4. When satellites are detected, their positions are shown on the map.

Chapter 3

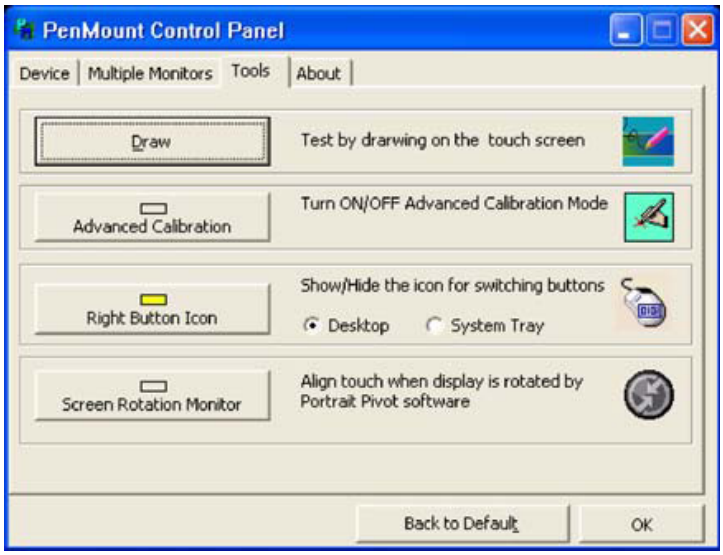
Operating the LCD Display

3.1 OSD User Controls

3.1.1 Advanced Settings

Configuring Touchscreen Function

Tap the pointer device icon in the system tray then select the **Tools** tab > or tap **Start** > **All Programs** > **PenMount Universal Driver** > **PenMount Control Panel** to access PenMount Control Panel.



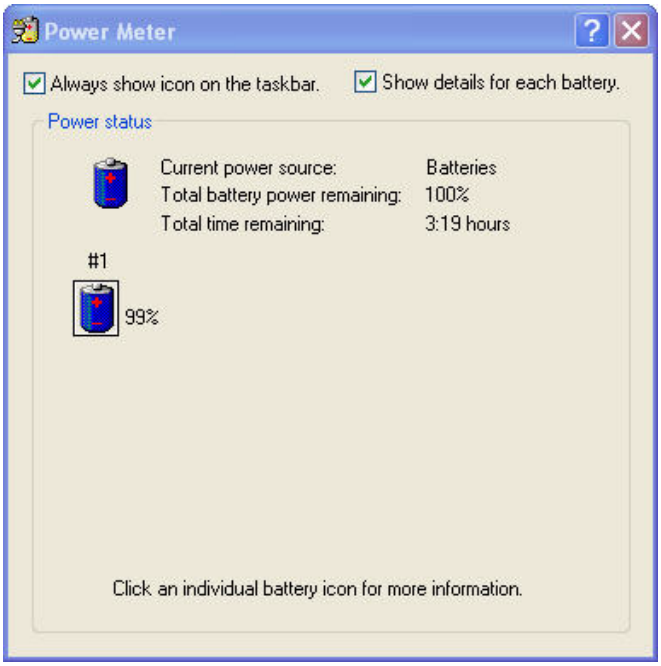
Tap the tabs at the top of the screen to access the settings screens. The contents of each tab page may vary based upon the version of the operating system you are using.

Checking Battery Status

As it is likely you will be using your X10D when out and about, it is important that you monitor the battery status regularly, to ensure you do not run out of power at a criticall moment.

Double tap on the battery icon in the system tray to view detailed information.

The battery screen appears:



Tap on the battery icon for more detailed information.

Power Options

You can configure specific power options to best suit your needs and to get the most out of your battery. Tap on the battery icon.

In the system tray to view the **power options** menu. See below for a description of the settings for each power option.

	Monitor turns off after	**Hard disks turn off after**	**System goes into standby mode after**
Home/Office Desk	5 minutes	10 minutes	5 minutes
Portable/ Laptop	5 minutes	5 minutes	5 minutes
Presentation	Never	5 minutes	15 minutes
Always On	15 minutes	30 minutes	Never
Minimal Power Management	5 minutes	15 minutes	5 minutes
Max Battery	1 minute	3 minutes	2 minutes

You can also access further power options through the Control Panel. Click **Start** >**Control Panel** > **Power Options**.

3.2 Maintenance

3.2.1 Maintaining the Battery

- Do not expose heat or attempt to disassemble the battery, and do not place the battery in water or in a fire.
- Do not subject the battery to strong impact, such as a blow from a hammer, or stepping on or dropping it.
- Do not puncture or disassemble the battery.
- Do not attempt to open or service the battery.
- Replace only with batteries designed specifically for this product.
- Keep the battery out of reach of children.
- Dispose of used batteries according to local regulations.

3.2.2 Maintaining the LCD Display

- Do not scratch the surface of the screen with any hard objects.
- Do not spray liquid directly on the screen or allow excess liquid to drip down inside the device.
- Do not place anything, such as food and drink, on the screen at any time to prevent damage to the screen.
- Clean the LCD display only with a soft cloth dampened with denatured alcohol or a proprietary LCD screen cleaner.

3.2.3 Cleaning the X10D

1. Turn off the X10D and unplug the power cord.
2. Wipe the screen and exterior with a soft, damp cloth moistened only with water. Do not use liquid or aerosol cleaners on the screen, as these will discolor the finish and damage the screen.

Appendix A

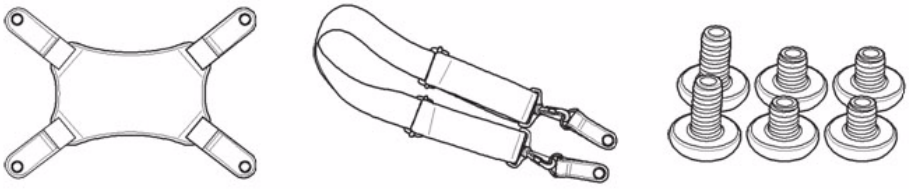
Accessories

A.1 Accessories

The following accessories are available upon request. Please contact the related sales teams for support.

Handstrap and Shoulder Strap

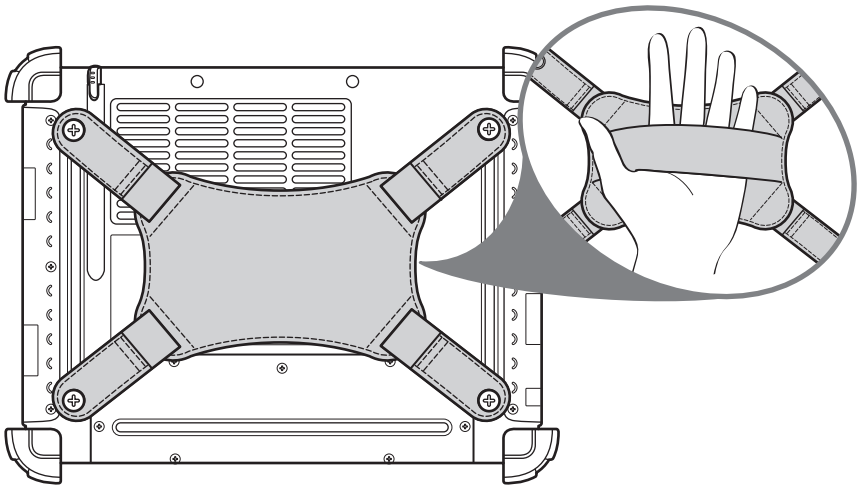
A detachable handstrap and shoulder strap are provided to carry your Tablet PC securely and safely. You can use the supplied handstrap and shoulder strap separately or together to carry the X10D when you are outside your home or office.



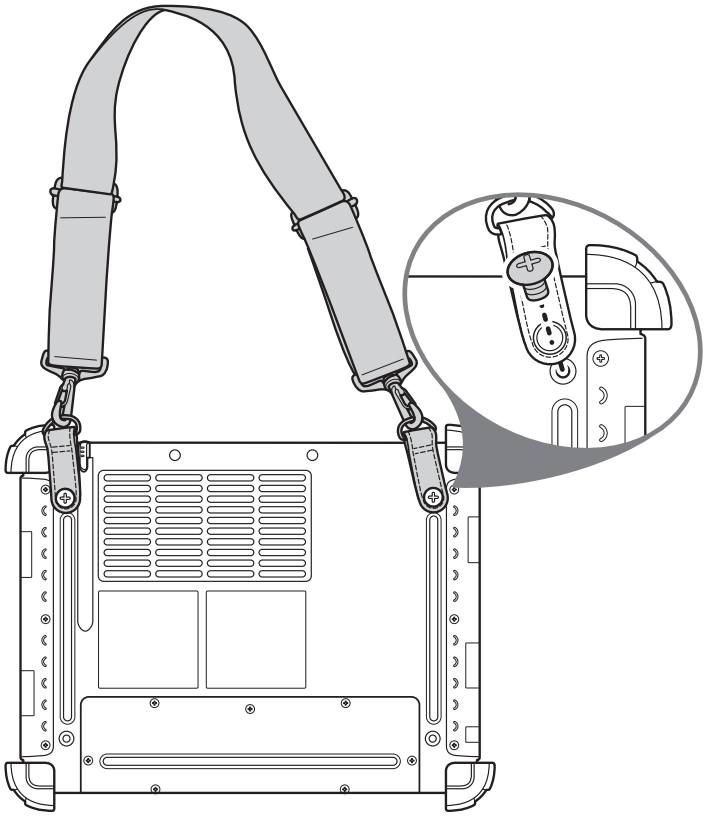
Handstrap Shoulder Strap Screws

When using the handstrap and shoulder strap separately:

- Attach the handstrap to the rear of your tablet PC using the four short screws as shown. The handstrap makes it easy to carry the device in one hand.

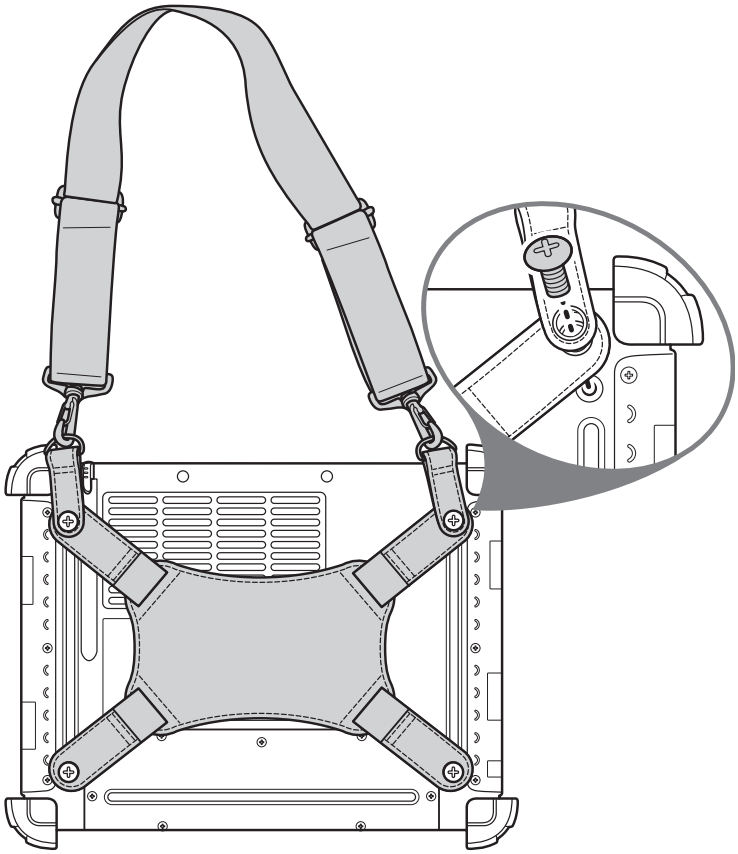


- Attach the shoulder strap to the rear of your tablet PC using the two short screws.



When using the handstrap and shoulder strap together:

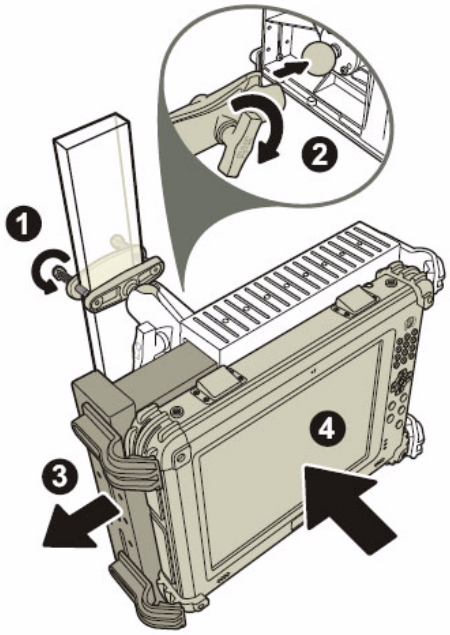
- Attach the handstrap and shoulder bag to the rear of your tablet PC using four screws as shown. (Two long screws to the upper screw holes, and two short screws to the lower screwholes.)



Vehicle Mount

Use the vehicle mount to mount the tablet PC to a vehicle bumper.

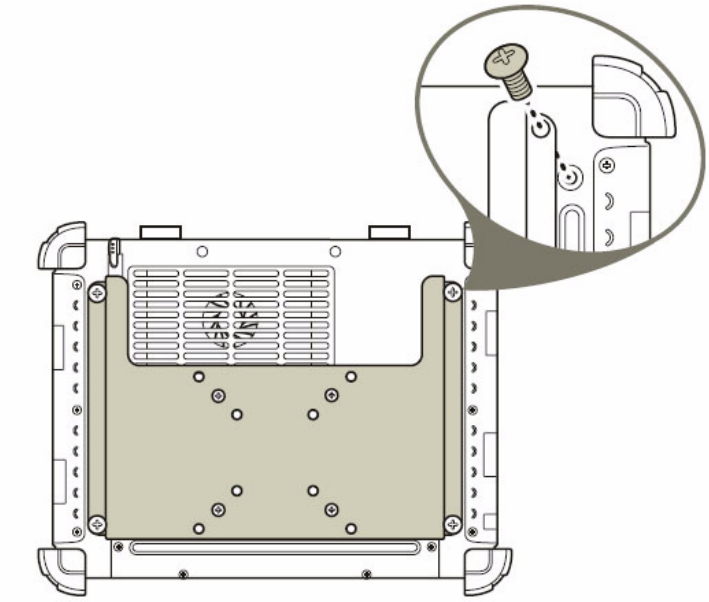
1. Attach the rail bolt to the bumper as shown and use a wrench to tighten each nut alternately.
2. Loosen the double socket arm by turning the knob counter clockwise and attach it to the ball base of the tray. Turn knob clockwise to tighten the double socket arm when the ball base is all the way inside.
3. Adjust the retaining side arms by moving them to the maximum length and pull to extend the tray.
4. Place the tablet PC on the tray with the retaining side arms clipped securely to the four rubber bumpers of the tablet PC.



Vesa Mount

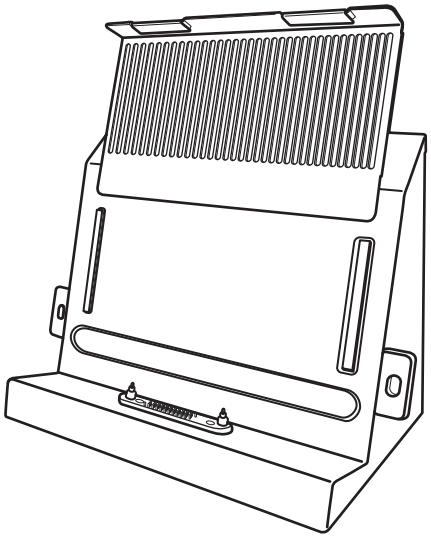
Vesa mount can be used with a variety of alternate mounting solutions.

- Install the vesa mount by screwing on the screws as shown.

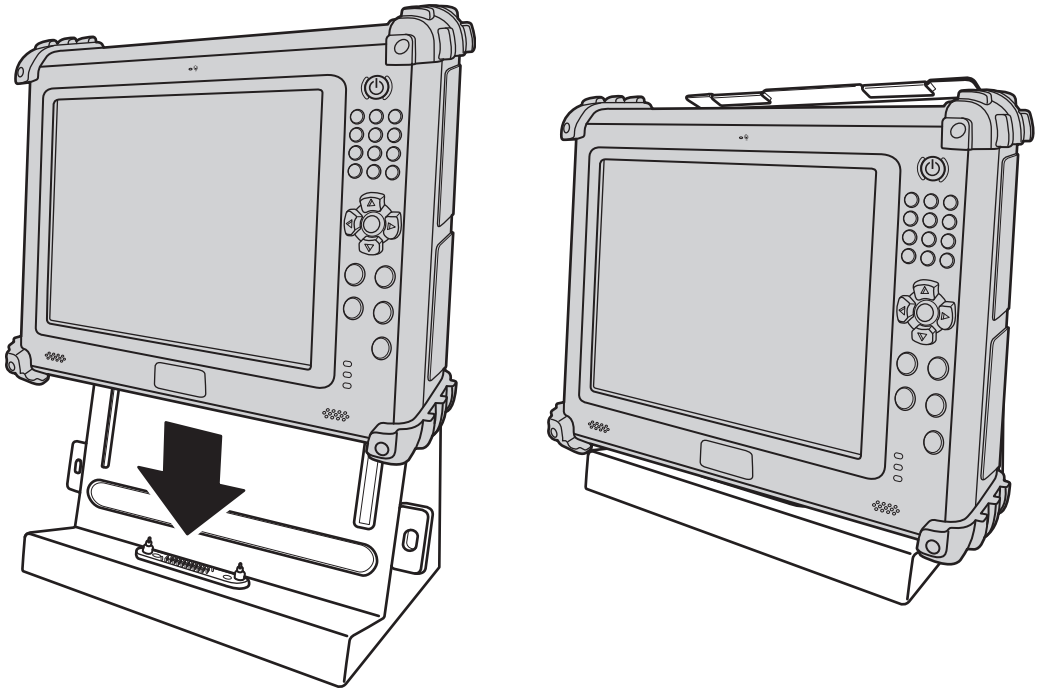


Tablet PC Docking

You can use the supplied PC docking stand to dock the tablet PC when you are at your home or office desk. When docked, you can charge power to and transfer data from your tablet PC to another PC.

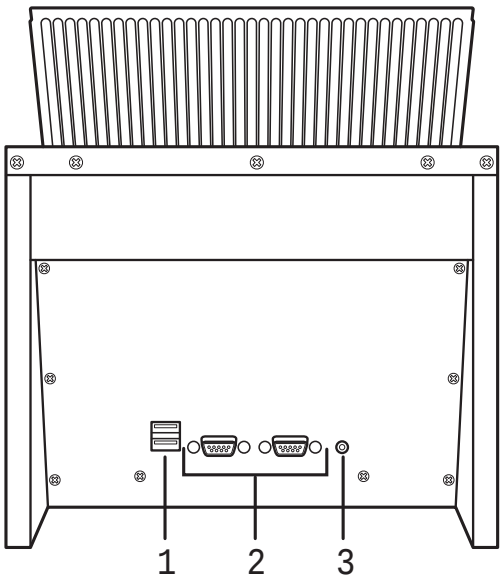


Attach the X10D to the PC docking stand as shown.



Docking Views

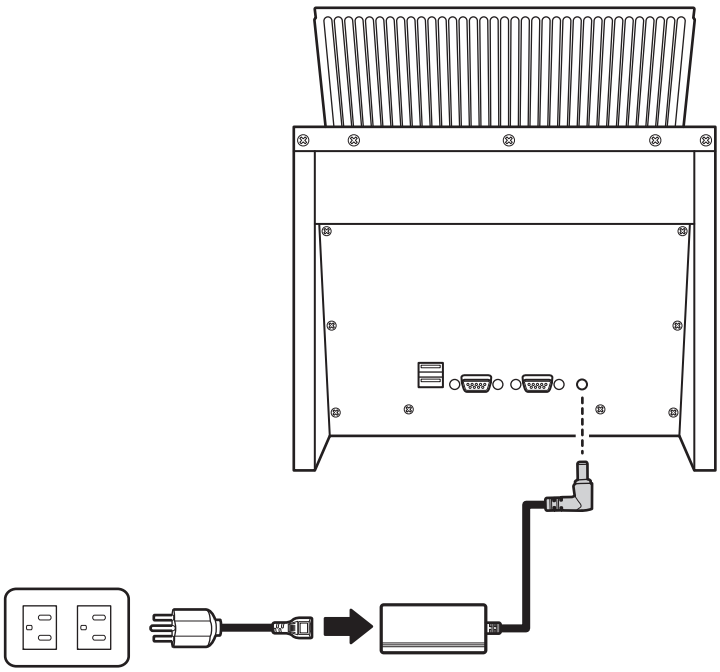
See below for the rear view of the docking and a description of all ports and connectors.



1	USB Ports	Connect USB connectors to these ports.
2	Serial Ports	Connect serial cables to these ports.
3	DC-IN	Connect the AC adapter to this port.

Connecting Power to the Docking

Connect the AC power adapter to the docking and the mains as shown below.



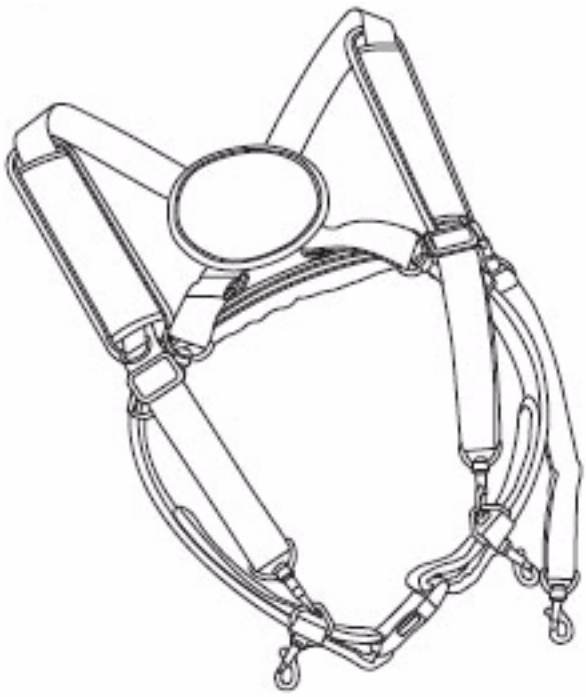
Desk Docking Specifications

Feature	Description
Product Name	X10D Tablet PC Docking
Model Number	By request
External I/O Interfaces	Two USB 2.0 host connectors (Or Factory Option: Four USB) Two RS-232/422/485 (Or Factory Option: extra two RS-232) One DC-in
Power Adapter	Universal AC 90V ~ 265V, 47~63Hz input; 19V, 3.16A output
Physical Size	230 x 154 x 252 mm
Environment	Operating Temperature -20 ~ 60° C Storage Temperature -40 ~ 70° C Operating Humidity 10% ~ 95%
Rugged Specifications	Waterproof at front bezel
Certifications	CE, FCC, UL, TUV, CCC

Tablet PC Holster

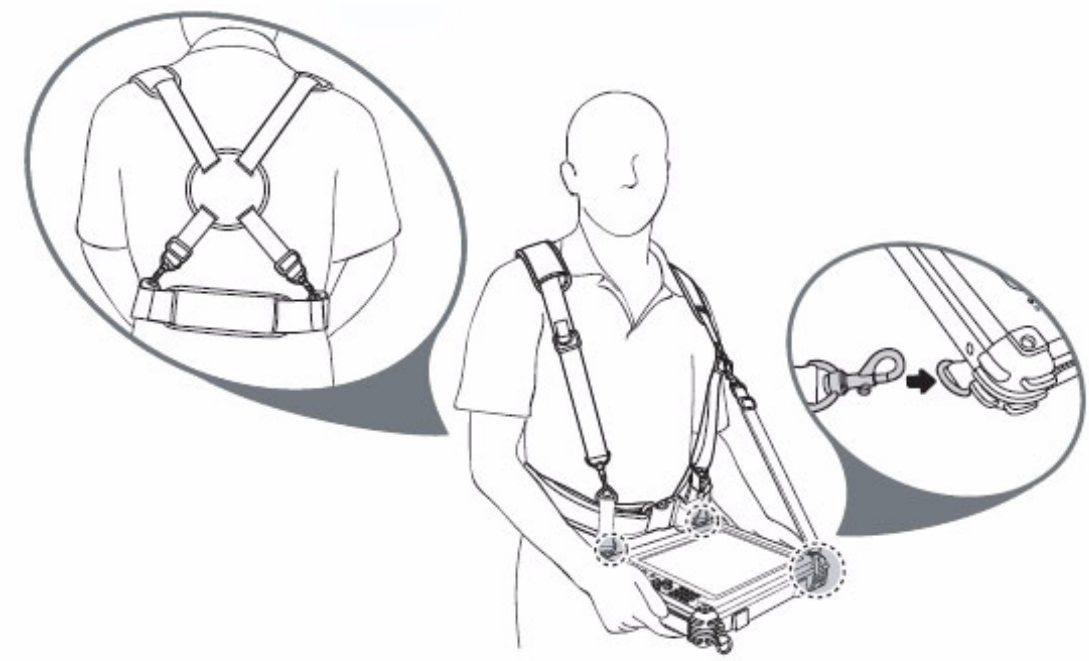
Tablet PC holster can attach directly to tablet PC. It enables you to work freely with both hands while distributing the weight of the tablet PC throughout the upper torso.

1. Loosen the shoulder straps, put your arms through the shoulder straps.



2. Snap shut the waist belt.
3. Tighten the shoulder straps and the belt.

4. Attach the 3 points of tablet PC to the holster as shown.



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